

OIPE

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/10/007,314

TIME: 16:17:50

Input Set : A:\00073411.txt

Output Set: N:\CRF3\07092002\J007314.raw

ENTERED

33

33

18

3 <110> APPLICANT: Medical Research Council

- 5 <120> TITLE OF INVENTION: Oligomeric Chaperone Proteins
- 7 <130> FILE REFERENCE: 674508-2006
- 9 <140> CURRENT APPLICATION NUMBER: 10/007,314
- C--> 10 <141> CURRENT FILING DATE: 2002-06-21
 - 12 <150> PRIOR APPLICATION NUMBER: GB 9911298.9
 - 13 <151> PRIOR FILING DATE: 1999-05-14
 - 15 <150> PRIOR APPLICATION NUMBER: PCT/GB00/01822
 - 16 <151> PRIOR FILING DATE: 2000-05-12
 - 16 <151> PRIOR FILING DATE: 2000-05-12

 18 <150> PRIOR APPLICATION NUMBER: GB 9930530.2
 - 19 <151> PRIOR FILING DATE: 1999-12-23
 - 21 <160> NUMBER OF SEQ ID NOS: 14
 - 23 <170> SOFTWARE: PatentIn version 3.1
 - 25 <210> SEQ ID NO: 1
 - 26 <211> LENGTH: 33
 - 27 <212> TYPE: DNA
 - 28 <213> ORGANISM: Artificial sequence
 - 30 <220> FEATURE:
 - 31 <223> OTHER INFORMATION: oligonucleotide used to PCR amplify Gp31 gene
 - 33 <400> SEQUENCE: 1
 - 34 cttcagacat atgtctgaag tacaacagct acc
 - 37 <210> SEQ ID NO: 2
 - 38 <211> LENGTH: 33
 - 39 <212> TYPE: DNA
 - 40 <213> ORGANISM: Artificial sequence
 - 42 <220> FEATURE:
 - 43 <223> OTHER INFORMATION: oligonucleotide used to PCR amplify Gp31 gene
 - 45 <400> SEQUENCE: 2
 - 46 taacggccgt tacttataaa gacacggaat agc
 - 49 <210> SEQ ID NO: 3
 - 50 <211> LENGTH: 18
 - 51 <212> TYPE: DNA
 - 52 <213> ORGANISM: Artificial sequence
 - 54 <220> FEATURE:
 - 55 <223> OTHER INFORMATION: oligonucleotide used to create a BamH I site
 - 57 <400> SEQUENCE: 3
 - 58 ggagaagttc ctgaactg
 - 61 <210> SEQ ID NO: 4
 - 62 <211> LENGTH: 21
 - 63 <212> TYPE: DNA
 - 64 <213> ORGANISM: Artificial sequence
 - 66 <220> FEATURE:
 - 67 <223> OTHER INFORMATION: oligonucleotide used to create a BamH I site

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,314

DATE: 07/09/2002 TIME: 16:17:50

Input Set : A:\00073411.txt

Output Set: N:\CRF3\07092002\J007314.raw

```
69 <400> SEQUENCE: 4
70 ggatccggct tgtgcaggtt c
73 <210> SEQ ID NO: 5
                                                                          21
74 <211> LENGTH: 28
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: oligonucleotide used to amplify the GroEL gene minichaperone
```

82 ttcggatccg aaggtatgca gttcgacc 28

85 <210> SEQ ID NO: 6 86 <211> LENGTH: 28

87 <212> TYPE: DNA

88 <213> ORGANISM: Artificial sequence

90 <220> FEATURE:

91 <223> OTHER INFORMATION: oligonucleotide used to amplify the GroEL gene minichaperone

94 gttggatcca acgccgcctg ccagtttc 97 <210> SEQ ID NO: 7

98 <211> LENGTH: 29 99 <212> TYPE: DNA

100 <213> ORGANISM: Artificial sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: oligonucleotide used to introduce mutations into the GroEL gene

105 <400> SEQUENCE: 7

106 tgagtacgat ctgttccagc ggagcttcc

109 <210> SEQ ID NO: 8 110 <211> LENGTH: 36

111 <212> TYPE: DNA

112 <213> ORGANISM: Artificial sequence

114 <220> FEATURE:

115 <223> OTHER INFORMATION: oligonucleotide used to introduce mutations into the GroEL gene

117 <400> SEQUENCE: 8

118 attgcggcga agcgccggct gctgttgcta acaccg

121 <210> SEQ ID NO: 9

122 <211> LENGTH: 36

123 <212> TYPE: DNA

124 <213> ORGANISM: Artificial sequence

126 <220> FEATURE:

127 <223> OTHER INFORMATION: oligonucleotide used to PCR amplify the GroEL gene from E. coli

129 <400> SEQUENCE: 9

130 tagetgeeat atggeageta aagacgtaaa attegg

36

28

29

36

133 <210> SEQ ID NO: 10

134 <211> LENGTH: 36

135 <212> TYPE: DNA

136 <213> ORGANISM: Artificial sequence

138 <220> FEATURE:

139 <223> OTHER INFORMATION: oligonucleotide used to PCR amplify the GroEL gene from E. coli

141 <400> SEQUENCE: 10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,314

DATE: 07/09/2002 TIME: 16:17:50

Input Set : A:\00073411.txt

Output Set: N:\CRF3\07092002\J007314.raw

142 atgtaacggc cgttacatca tgccgcccat gccacc 145 <210> SEQ ID NO: 11 36 146 <211> LENGTH: 20 147 <212> TYPE: DNA 148 <213> ORGANISM: Artificial sequence 150 <220> FEATURE: 151 <223> OTHER INFORMATION: oligonucleotide used in site directed mutagenesis using PCR 154 cggctggatc gttctgaccg 157 <210> SEQ ID NO: 12 20 158 <211> LENGTH: 26 159 <212> TYPE: DNA 160 <213> ORGANISM: Artificial sequence 162 <220> FEATURE: 163 <223> OTHER INFORMATION: oligonucleotide used in site directed mutagenesis using PCR 166 gcagatttag tttcaacttc tttacg 169 <210> SEQ ID NO: 13 26 170 <211> LENGTH: 16 171 <212> TYPE: DNA 172 <213> ORGANISM: Artificial sequence 174 <220> FEATURE: 175 <223> OTHER INFORMATION: oligonucleotide used to remove the DNA sequence encoding the mobi 176 le loop of GroES 178 <400> SEQUENCE: 13 179 teeggetetg cagegg 182 <210> SEQ ID NO: 14 16 183 <211> LENGTH: 28 184 <212> TYPE: DNA 185 <213> ORGANISM: Artificial sequence 187 <220> FEATURE: 188 <223> OTHER INFORMATION: oligonucleotide used to remove the DNA sequence encoding the le loop of GroES

191 <400> SEQUENCE: 14

192 tccagagcca gtttcaactt ctttacgc

mobi

28

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/007,314

DATE: 07/09/2002 TIME: 16:17:51

Input Set : A:\00073411.txt

Output Set: N:\CRF3\07092002\J007314.raw

 $L\!:\!10$ M:271 C: Current Filing Date differs, Replaced Current Filing Date